AVOX Systems

# SERVICE INFORMATION LETTER

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**US DOT SPECIAL PERMIT AND TRANSPORT CANADA PERMITS CHANGE HYDROSTATIC TEST INTERVAL FOR SPECIFIED P/N 804044 SERIES CYLINDER AND VALVE ASSEMBLIES**

## SUMMARY

US DOT Exemption E 8162 has been superseded by US DOT Special Permit SP 8162 dated May 11, 2007. US DOT-SP 8162 changes the hydrostatic test interval of affected cylinders as described herein when offered for transport or import in or to the United States. Transport Canada (TC) has issued a new Permit SU 9209 dated January 30, 2008. TC-SU 9209 changes the hydrostatic test interval of affected cylinders as described herein, when offered for transport or import in or to Canada.

1. PLANNING INFORMATION

A. Effectivity

(1) Concerned equipment

This Service Information Letter (SIL) applies to the Cylinder and Valve Assemblies (CVA's) listed in Table 1.

Table 1
Affected Units

| | |
|---|---|
| 804044-77 | 804044-15 |

B. Reason

The purpose of this SIL is to inform operators of regulation changes that concern cylinders fitted on the above units.

C. Description

(1) US DOT rule DOT-SP 8162 supersedes US DOT rule DOT-E 8162. Rule DOT-SP 8162 applies to all units manufactured after September 30, 2007.

(2) TC Permit SU 9209 applies to all affected units manufactured after February 5, 2007 with the mark TC-SU 9209 on the cylinder.

(3) TC Permit 4237-127 applies to all units with the mark TC-SU 4237 on the cylinder.

(4) The maximum life limit of the cylinder remains the same at 15 years if the cylinder passes all inspection criteria.

(5) The hydrostatic test interval changes (Refer to Tables 2 & 3 below).

Table 2
Hydrostatic Test Interval (when offered for transport or import in or to the United States)

| US DOT Cylinder Marking | Transport Canada Cylinder Marking | Last Retest | Next Retest Interval | Subsequent Retest Intervals | Cylinder Life Limit |
|---|---|---|---|---|---|
| E 8162 | SU 4237 | Before July 1, 2006 | 3 years after last retest | 5 years | 15 years max. |
| | | After July 1, 2006 | 5 years from last retest | 5 years | 15 years max. |
| SP 8162 | SU 4237 | After July 1, 2006 | 5 years from last retest | 5 years | 15 years max. |
| SP 8162 | SU 9209 | See 1.C.(2) | 5 years from last retest | 5 years | 15 years max. |

Table 3
Hydrostatic Test Interval (When offered for transport or import in or to Canada)

| US DOT Cylinder Marking | Transport Canada Cylinder Marking | Next Retest Interval | Subsequent Retest Interval | Cylinder Life Limit |
|---|---|---|---|---|
| E 8162 | SU 4237 | 3 years from last retest | 3 years | 15 years max. |
| SP 8162 | SU 4237 | 3 years from last retest | 3 years | 15 years max. |
| SP 8162 | SU 9209 | 5 years from last retest | 5 years | 15 years max. |

2. PLANNING INFORMATION

D. References

(1) US DOT regulations

(a) DOT-E 8162 (Superseded by US DOT-SP 8162 dated May 11, 2007)

(b) US DOT-SP 8162

NOTE: For more information refer to the US Department of Transportation regulations under the US CFR.

(2) Transport Canada regulations

(a) TC Permit SU 4237

(b) TC Permit SU 9209

NOTE: For more information refer to Subsection 31(4) of the Transportation of Dangerous Goods Act, 1992, and Permit for Equivalent Level of Safety SU 4237 dated February 26, 2008 and Permit for Equivalent Level of Safety SU 9209 dated January 30, 2008.

E. Publications Affected

Component Maintenance Manual 35-22-01 specified PN 804044 Series Cylinder and Valve Assemblies

2. IMPACT ON MAINTAINABILITY

A. When subject to United States Department of Transportation Regulations

(1) Cylinders retested prior to July 1, 2006

(a) These cylinders must be inspected and hydrostatically tested within three (3) years of the retest date marked on the cylinder.

(b) AVOX Systems recommends that the regulator be overhauled every six (6) years.

(2) Cylinders retested after July 1, 2006

(a) These cylinders must be inspected and hydrostatically tested within five (5) years of the retest date marked on the cylinder.

(b) AVOX Systems recommends an overhaul of the regulator every five (5) years.

B. When subject to Transport Canada Dangerous Goods Regulations

(1) The mark TC-SU 4237 is on the cylinder

(a) These cylinders must be inspected and hydrostatically tested within three (3) years of the retest date marked on the cylinder.

(b) AVOX Systems recommends that the regulator be overhauled every six (6) years.

(2) The mark TC-SU 9209 is on the cylinder

(a) These cylinders must be inspected and hydrostatically tested within five (5) years of the retest date marked on the cylinder.

(b) AVOX Systems recommends an overhaul of the regulator every five (5) years.